

Connecting via Winsock to STN

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/Caplus F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS	9	NOV 20	CA/Caplus to MARPAT accession number crossover limit increased to 50,000
NEWS	10	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	11	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	12	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	13	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	14	DEC 18	CA/Caplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS	15	DEC 18	CA/Caplus patent kind codes updated
NEWS	16	DEC 18	MARPAT to CA/Caplus accession number crossover limit increased to 50,000
NEWS	17	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	18	DEC 27	CA/Caplus enhanced with more pre-1907 records
NEWS	19	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS EXPRESS		NOVEMBER 10	CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 12:00:28 ON 10 JAN 2007

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:00:36 ON 10 JAN 2007
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STRUCTURE FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6
DICTIONARY FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "3-OXODODECANOYL)HOMOSERINE LACTONE"/CN 25
E1 1 3-OXODIPROPYLACETIC ACID/CN
E2 1 3-OXODODECANOIC ACID/CN
E3 0 --> 3-OXODODECANOYL)HOMOSERINE LACTONE/CN
E4 1 3-OXOECDYSONE 2,22-DIACETATE/CN
E5 1 3-OXOECDYSTEROID 3A-REDUCTASE/CN
E6 1 3-OXOECDYSTEROID 3B-REDUCTASE/CN
E7 1 3-OXOEDPETISININE/CN
E8 1 3-OXOENANTHIC ACID/CN
E9 1 3-OXOEREMOPHILA-1,7(11)-DIEN-12,8B-OLIDE/CN
E10 1 3-OXOERGOSTANE/CN
E11 1 3-OXOESTR-4-ENE-17B-CARBONITRILE/CN
E12 1 3-OXOESTR-4-ENE-17B-ISOCARBONITRILE/CN
E13 1 3-OXOESTR-5(10)-ENE-17B-CARBONITRILE/CN
E14 1 3-OXOESTRA-4,9,11-TRIENE-17B-CARBONITRILE/CN
E15 1 3-OXOESTRA-4,9-DIENE-17B-CARBONITRILE/CN
E16 1 3-OXOESTRA-5(10),9(11)-DIENE-17B-CARBONITRILE/CN
E17 1 3-OXOEUCOSTEROL/CN
E18 1 3-OXOEUDSMA-4,11-DIEN-12-OIC ACID/CN
E19 1 3-OXOFILAVAN/CN
E20 1 3-OXOFILAVAN OXIME/CN
E21 1 3-OXFRIEDELAN-25-AL/CN
E22 1 3-OXFRIEDELAN-25-OL/CN
E23 1 3-OXFRIEDELAN-4A-OL/CN
E24 1 3-OXFRIEDELAN-20A-CARBOXYLIC ACID/CN
E25 1 3-OXFUSIDIC ACID/CN

=>

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

***** RECONNECTED TO STN INTERNATIONAL *****
SESSION RESUMED IN FILE 'REGISTRY' AT 12:02:29 ON 10 JAN 2007
FILE 'REGISTRY' ENTERED AT 12:02:29 ON 10 JAN 2007
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COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.90	1.11

=> file reg

COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.90	1.11

FILE 'REGISTRY' ENTERED AT 12:02:37 ON 10 JAN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6
DICTIONARY FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "OXODODECANOYL HOMOSERINE "/CN 25

E1	1	OXODIPHENYLSTANNANE/CN
E2	1	OXODIPINE/CN
E3	0 -->	OXODODECANOYL HOMOSERINE /CN
E4	1	OXODOLIN/CN
E5	1	OXODUOCINE/CN
E6	1	OXOEICOSAHYDROXYBIS(HYDROGEN OXALATO)OCTAZIRCONIUM OCTACHLORIDE, COMPD. WITH PYRIDINE/CN
E7	1	OXOEICOSATETRAENOATE RECEPTOR (HUMAN NEUTROPHIL)/CN
E8	1	OXOENOXACIN/CN
E9	1	OXOEPISTEPHAMIERSINE/CN
E10	1	OXOETHANOIC ACID/CN
E11	1	OXOETHENYLIDENE/CN
E12	1	OXOFANGCHIRINE/CN
E13	1	OXOFARNOCHROL/CN

E14	1	OXOFERIN/CN
E15	1	OXOFERRATE ION (FE601614-)/CN
E16	1	OXOFLACCIDIN/CN
E17	1	OXOFLACCIDIN DIACETATE/CN
E18	1	OXOFLAVIDIN/CN
E19	1	OXOFLAVIDIN DIACETATE/CN
E20	1	OXOFLAVIDIN DIMETHYL ETHER/CN
E21	1	OXOFLAVIDININ/CN
E22	1	OXOFLEXOXACIN/CN
E23	1	OXOFORMYCIN/CN
E24	1	OXOFORMYCIN A/CN
E25	1	OXOFORMYCIN B/CN

=>

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
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NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN Welcome Banner and News Items

```
=> s apopt? or (cell death)
135737 APOPT?
2158842 CELL
1884225 CELLS
2849698 CELL
      (CELL OR CELLS)
144301 DEATH
11528 DEATHS
152482 DEATH
      (DEATH OR DEATHS)
```

61811 CELL DEATH
(CELL(W)DEATH)
L1 161314 APOPT? OR (CELL DEATH)

=> s ?homoserine lactone
4407 ?HOMOSERINE
58701 LACTONE
27222 LACTONES
69986 LACTONE
(LACTONE OR LACTONES)
L2 1190 ?HOMOSERINE LACTONE
(?HOMOSERINE(W)LACTONE)

=> s l2 (L) l1
L3 15 L2 (L) L1

=> s l3 not py>2003
3716318 FY>2003
L4 2 L3 NOT PY>2003

=> d ibib 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:778671 CAPLUS
DOCUMENT NUMBER: 139:306377
TITLE: The Pseudomonas aeruginosa autoinducer
N-3-oxododecanoyl homoserine lactone
accelerates apoptosis in macrophages and
neutrophils
AUTHOR(S): Tateda, Kazuhiro; Ishii, Yoshikazu; Horikawa, Manabu;
Matsumoto, Tetsuya; Miyairi, Shinichi; Pechere, Jean
Claude; Standiford, Theodore J.; Ishiguro, Masaji;
Yamaguchi, Keizo
CORPORATE SOURCE: Department of Microbiology, Toho University School of
Medicine, Tokyo, Japan
SOURCE: Infection and Immunity (2003), 71(10), 5785-5793
CODEN: INFIBR; ISSN: 0019-9567
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:721658 CAPLUS
DOCUMENT NUMBER: 136:2547
TITLE: Interaction and division of bacterial cells
Kaca, Wieslaw; Amano, Kenichi
CORPORATE SOURCE: Cent. Microbiol. Virol., PAS, Lodz, 90-232, Pol.
SOURCE: Postepy Mikrobiologii (2001), 40(1), 31-41
CODEN: PMKMAV; ISSN: 0079-4252
PUBLISHER: Polskie Towarzystwo Mikrobiologow
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d kwic 2

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
AB . . . degradation by a PBP complex. The cell division is driven by signals

from other bacterial cells. Short peptides and N-acetyl homoserine lactones (AHLs) are signaling mol.s. The coordinated behavior of bacterial populations may allow looking on them as multicellular organisms. By influencing the host cell activities (i.e., apoptosis), bacterial mol.s. are also important in diseases.

=> d ibib abs 2

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on SIN
ACCESSION NUMBER: 2001:721658 CAPLUS
DOCUMENT NUMBER: 136:2547
TITLE: Interaction and division of bacterial cells
AUTHOR(S): Kaca, Wieslaw; Amano, Kenichi
CORPORATE SOURCE: Cent. Microbiol. Virol., PAS, Lodz, 90-232, Pol.
SOURCE: Postepy Mikrobiologii (2001), 40(1), 31-41
CODEN: PMKMAV; ISSN: 0079-4252
PUBLISHER: Polskie Towarzystwo Mikrobiologow
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
AB A review with refs. on cell division and communication among bacterial cells. Bacterial division starts from the building of a septum by FtsZ proteins across the cell. The constriction of the cell is accompanied by peptidoglycan synthesis and degradation by a PBP complex. The cell division is driven by signals from other bacterial cells. Short peptides and N-acetyl homoserine lactones (AHLs) are signaling mol.s. The coordinated behavior of bacterial populations may allow looking on them as multicellular organisms. By influencing the host cell activities (i.e., apoptosis), bacterial mol.s. are also important in diseases.
REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s (interleukin () 8) or (IL () 8)
154382 INTERLEUKIN
5972 INTERLEUKINS
156306 INTERLEUKIN
(INTERLEUKIN OR INTERLEUKINS)
2782066 8
14523 INTERLEUKIN (W) 8
121498 IL
1240 ILS
122352 IL
(IL OR ILS)
2782066 8
11167 IL (W) 8
L5 16218 (INTERLEUKIN (W) 8) OR (IL (W) 8)

=> d his

(FILE 'HOME' ENTERED AT 15:27:16 ON 10 JAN 2007)

FILE 'CAPLUS' ENTERED AT 15:27:41 ON 10 JAN 2007

L1 161314 S APOPT? OR (CELL DEATH)
L2 1190 S ?HOMOSERINE LACTONE
L3 15 S L2 (L) L1
L4 2 S L3 NOT PY>2003
L5 16218 S (INTERLEUKIN () 8) OR (IL () 8)

=> s 15 (L) 11
L6 686 L5 (L) L1

=> s 16 not py>2002
4771960 PY>2002
L7 286 L6 NOT PY>2002

=> d kwic 1

L7 ANSWER 1 OF 286 CAPLUS COPYRIGHT 2007 ACS on STN
AB . . . human defense, but also may contribute to the pathogenesis of various disorders. They are capable of causing tissue destruction and cell death. Neutrophilic inflammation is observed in patients with α 1- proteinase inhibitor deficiency, bronchitis, emphysema, ARDS, COPD, re-perfusion injury, cystic fibrosis, acute. . . of the acute and chronic inflammatory response. NE perpetuates the cycle of inflammation by promoting the generation of chemoattractants, particularly interleukin-8 and leukotriene B4, which recruit more neutrophils into the tissue. The stimulation status of neutrophils in inflamed tissue can be. . .

=> s 11 and 12
L8 18 L1 AND L2

=> s 18 not py>2002
4771960 PY>2002
L9 1 L8 NOT PY>2002

=> d ibib

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:721658 CAPLUS
DOCUMENT NUMBER: 136:2547
TITLE: Interaction and division of bacterial cells
AUTHOR(S): Kaca, Wieslaw; Amano, Kenichi
CORPORATE SOURCE: Cent. Microbiol. Virol., PAS, Lodz, 90-232, Pol.
SOURCE: Postepy Mikrobiologii (2001), 40(1), 31-41
CODEN: PMKMAV; ISSN: 0079-4252
PUBLISHER: Polskie Towarzystwo Mikrobiologow
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file pctfull
COST IN U.S. DOLLARS
FULL ESTIMATED COST
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE
SINCE FILE ENTRY
TOTAL SESSION
37.55 37.76
SINCE FILE ENTRY
TOTAL SESSION
-2.34 -2.34

FILE 'PCTFULL' ENTERED AT 15:32:39 ON 10 JAN 2007
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FILE LAST UPDATED: 8 JAN 2007 <20070108/UP>
MOST RECENT UPDATE WEEK: 200701 <200701/EW>
FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN THIS FILE.
SEE
<http://www.stn-international.de/stndatabases/details/ipc-reform.html> >>>

=> s apopt? or (cell death)
25485 APOPT?
238544 CELL
205255 CELLS
270655 CELL
(CELL OR CELLS)
48279 DEATH
8016 DEATHS
51338 DEATH
(DEATH OR DEATHS)
20474 CELL DEATH
(CELL(W)DEATH)
L10 33437 APOPT? OR (CELL DEATH)

=> s ?homoserine lactone
2662 ?HOMOSERINE
9241 LACTONE
5261 LACTONES
12579 LACTONE
(LACTONE OR LACTONES)
L11 360 ?HOMOSERINE LACTONE
(?HOMOSERINE(W)LACTONE)

=> s l11 and l10
L12 48 L11 AND L10

=> s l12 not py>2002
489451 PY>2002
L13 28 L12 NOT PY>2002

=> s oxododecanoyl
L14 40 OXODODECANOYL

=> s l14 and l13
L15 0 L14 AND L13

=> s l15 and l11
L16 0 L15 AND L11

=> s l14 and l11
L17 39 L14 AND L11

=> s l17 and l10
L18 3 L17 AND L10

=> d ibib 1-3

L18 ANSWER 1 OF 3 PCTFULL COPYRIGHT 2007 Univention STN
ACCESSION NUMBER: 2005094883 PCTFULL ED 20051018 EW 200541
TITLE (ENGLISH): METHODS FOR INDUCING AUTOLYSIS IN INFECTIOUS BACTERIA
TITLE (FRENCH): METHODES POUR INDUIRE UNE AUTOLYSE DANS DES BACTERIES
INFECTIEUSES
INVENTOR(S): CHARLTON, Keith, Alan, Haptogen Ltd, Polwarth Building,
Foresterhill, Aberdeen, Aberdeenshire AB25 2ZD, GB [GB,
GB];
PORTER, Andrew, Justin, Radcliffe, Haptogen Ltd,
Polwarth Building, Foresterhill, Aberdeen,
Aberdeenshire AB25 2ZD, GB [GB, GB];

BROADBENT, Ian, Haptogen Ltd, Polwarth Building,
Foresterhill, Aberdeen, Aberdeenshire AB25 2ZD, GB [GB,
GB]

PATENT ASSIGNEE(S): HAPTOGEN LTD, Polwarth Building, Foresterhill,
Aberdeen, Aberdeenshire AB25 2ZD, GB [GB, GB], for all
designates States except US;
CHARLTON, Keith, Alan, Haptogen Ltd, Polwarth Building,
Foresterhill, Aberdeen, Aberdeenshire AB25 2ZD, GB [GB,
GB], for US only;
PORTER, Andrew, Justin, Radcliffe, Haptogen Ltd,
Polwarth Building, Foresterhill, Aberdeen,
Aberdeenshire AB25 2ZD, GB [GB, GB], for US only;
BROADBENT, Ian, Haptogen Ltd, Polwarth Building,
Foresterhill, Aberdeen, Aberdeenshire AB25 2ZD, GB [GB,
GB], for US only

AGENT: BASSIL, Nicholas, Charles\$, Kilburn & Strode, 20 Red
Lion Street, London WC1R 4PJ\$, GB

LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

	NUMBER	KIND	DATE
	WO 2005094883	A2	20051013
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW		
RW (ARIPO):	BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL PT RO SE SI SK TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2005-GB1108	A	20050324
PRIORITY INFO.:	GB 2004-0407008.2		20040327

L18 ANSWER 2 OF 3 PCTFULL COPYRIGHT 2007 Univention on STN
2003075654 PCTFULL ED 20030926 EW 200338

ACCESSION NUMBER: TREATMENT OF SURFACES POPULATED BY BACTERIA
TITLE (ENGLISH): TRAITEMENT DE SURFACES PEUPLEES DE BACTERIES
TITLE (FRENCH):
INVENTOR(S): PRITCHARD, David, Idris, 83 Breach Field Road,
Barrow-upon-Soar, Leicester LE12 8NN, GB [GB, GB]
THE UNIVERSITY OF NOTTINGHAM, University Park,
Nottingham NG7 2RD, GB [GB, GB], for all designates
States except US;
PRITCHARD, David, Idris, 83 Breach Field Road,
Barrow-upon-Soar, Leicester LE12 8NN, GB [GB, GB], for
US only

PATENT ASSIGNEE(S): WILKINSON, Stephen, John\$, Stevens, Hewlett & Perkins,
1 St Augustine's Place, Bristol BS1 4UD\$, GB

AGENT: WILKINSON, Stephen, John\$, Stevens, Hewlett & Perkins,
1 St Augustine's Place, Bristol BS1 4UD\$, GB

LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

	NUMBER	KIND	DATE
	WO 2003075654	A2	20030918
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR		

CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

RW (ARIPO):
RW (EAPO):
RW (EPO):
RW (OAPI):
APPLICATION INFO.:
PRIORITY INFO.:

AM AZ BY KG KZ MD RU TJ TM
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
MC NL PT RO SE SI SK TR
BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
WO 2003-GB959 A 20030306
GB 2002-0205593.7 20020309

L18 ANSWER 3 OF 3 PCTFULL COPYRIGHT 2007 Univentio on STN
2003026641 PCTFULL ED 20030410 EW 200314
TITLE (ENGLISH):
TITLE (FRENCH):
INVENTOR(S):
PATENT ASSIGNEE(S):
AGENT:
LANGUAGE OF FILING:
LANGUAGE OF PUBL.:
DOCUMENT TYPE:
PATENT INFORMATION:

MODULATION OF STAT ACTIVITY
MODULATION DE L'ACTIVITE DE STAT
SHAW, Peter, 145 Harrow Road, Wollaton, Nottingham NG8
1FL, GB [GB, GB];
PRITCHARD, Davi, University of Nottingham, Research
Business Park, Nottingham NG7 2RD, GB [GB, GB];
LI, Li, 6 Topliss Road, Beeston, Nottingham NG9 5AS, GB
[GB, GB]
UNIVERSITY OF NOTTINGHAM, Research Business Unit,
University Park, Nottingham NG7 2RD, GB [GB, GB], for
all designates States except US;
SHAW, Peter, 145 Harrow Road, Wollaton, Nottingham NG8
1FL, GB [GB, GB], for US only;
PRITCHARD, Davi, University of Nottingham, Research
Business Park, Nottingham NG7 2RD, GB [GB, GB], for US
only;
LI, Li, 6 Topliss Road, Beeston, Nottingham NG9 5AS, GB
[GB, GB], for US only
I.P.21 LIMITED\$, Norwich Research Park, Colney,
Norwich, Norfolk NR4 7UT\$, GB

English
English
Patent

NUMBER	KIND	DATE
WO 2003026641	A2	20030403

DESIGNATED STATES
W:
RW (ARIPO):
RW (EAPO):
RW (EPO):
RW (OAPI):
APPLICATION INFO.:
PRIORITY INFO.:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
AM AZ BY KG KZ MD RU TJ TM
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC
NL PT SE SK TR
BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
WO 2002-GB4232 A 20020917
GB 2001-0122914.5 20010922

=> d his

(FILE 'HOME' ENTERED AT 15:27:16 ON 10 JAN 2007)

L1 FILE 'CAPLUS' ENTERED AT 15:27:41 ON 10 JAN 2007
161314 S APOPT? OR (CELL DEATH)

```

L2      1190 S ?HOMOSERINE LACTONE
L3      15 S L2 (L) L1
L4      2 S L3 NOT PY>2003
L5      16218 S (INTERLEUKIN ( ) 8) OR (IL ( ) 8)
L6      686 S L5 (L) L1
L7      286 S L6 NOT PY>2002
L8      18 S L1 AND L2
L9      1 S L8 NOT PY>2002

```

FILE 'PCTFULL' ENTERED AT 15:32:39 ON 10 JAN 2007

```

L10     33437 S APOPT? OR (CELL DEATH)
L11     360 S ?HOMOSERINE LACTONE
L12     48 S L11 AND L10
L13     28 S L12 NOT PY>2002
L14     40 S OXODODECANOYL
L15     0 S L14 AND L13
L16     0 S L15 AND L11
L17     39 S L14 AND L11
L18     3 S L17 AND L10

```

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.16	51.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'CAPLUS' ENTERED AT 15:36:09 ON 10 JAN 2007

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FILE COVERS 1907 - 10 Jan 2007 VOL 146 ISS 3
 FILE LAST UPDATED: 9 Jan 2007 (20070109/ED)

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<http://www.cas.org/infopolicy.html>

=> s us 20040229944/pn

```

L19     1 US 20040229944/PN
        (US2004229944/PN)

```

=> sel rn

E1 THROUGH E9 ASSIGNED

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
----------------------	------------	-------

FULL ESTIMATED COST	ENTRY 2.56	SESSION 54.48
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

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Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6
 DICTIONARY FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s el-9

```

1 142243-02-5/BI
  (142243-02-5/RN)
1 143537-62-6/BI
  (143537-62-6/RN)
1 148640-14-6/BI
  (148640-14-6/RN)
1 155215-87-5/BI
  (155215-87-5/RN)
1 165245-96-5/BI
  (165245-96-5/RN)
1 168982-69-2/BI
  (168982-69-2/RN)
1 2185-02-6/BI
  (2185-02-6/RN)
1 2185-03-7/BI
  (2185-03-7/RN)
1 67605-85-0/BI
  (67605-85-0/RN)

```

L20 9 (142243-02-5/BI OR 143537-62-6/BI OR 148640-14-6/BI OR 155215-87-5/BI OR 165245-96-5/BI OR 168982-69-2/BI OR 2185-02-6/BI OR 2185-03-7/BI OR 67605-85-0/BI)

=> d rn hitstr
 'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
 fields or predefined formats. The predefined substance formats

are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):end

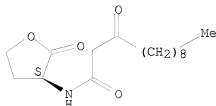
=> d 120 1-9

L20 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN
RN 168982-69-2 REGISTRY
ED Entered STN: 17 Oct 1995
CN Dodecanamide, 3-oxo-N-[(3S)-tetrahydro-2-oxo-3-furanyl]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Dodecanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)-, (S)-

OTHER NAMES:

CN n-(3-Oxododecanoyl) L-homoserine lactone
 CN N-(3-Oxododecanoyl)homoserine lactone
 FS STEREOSEARCH
 MF C16 H27 N O4
 SR CA
 LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

148 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 150 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN

RN 165245-96-5 REGISTRY

ED Entered STN: 26 Jul 1995

CN Kinase (phosphorylating), protein, RK (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 20: PN: W02006059323 PAGE: 14 claimed sequence

CN CSBP

CN CSBP kinase

CN CSBP/p38 kinase

CN Cytokine synthesis anti-inflammatory drug-binding protein

CN EhHOG MAP kinase

CN High-osmolarity glycerol response kinase

CN Hog1 MAP kinase

CN MAP kinase Hog1p

CN Mitogen-activated protein kinase 14

CN Mitogen-activated protein kinase Mxi2

CN P38 kinase

CN p38 MAP kinase

CN p38 MAPK

CN p38 Mitogen-activated kinase

CN p38 Mitogen-activated protein kinase

CN P38 protein kinase

CN P38-2 mitogen-activated protein kinase

CN p38α MAP kinase

CN p38α Mitogen-activated protein kinase

CN p38/RK

CN Protein kinase HOG1

CN Protein kinase p38/HOG

CN Protein kinase p38/HOG1

CN Protein kinase p38mapk

CN Protein kinase p38SAPK2

CN Protein kinase RK

CN Protein kinase SAPK2a

CN Protein p38α kinase

CN Reactivating kinase

CN SAPK2a/p38 kinase
CN Stress-activated protein kinase p38 α
CN Stress-activated protein kinase-2a
CN Stress-activated-protein kinase-2
DR 185402-48-6, 185464-66-8
MF Unspecified
CI COM, MAN
SR CA
LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, CA, CAPLUS, CASREACT, CIN, PROMT,
TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10373 REFERENCES IN FILE CA (1907 TO DATE)
247 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
10431 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN
RN 155215-87-5 REGISTRY
ED Entered STN: 20 May 1994
CN Kinase (phosphorylating), gene c-jun protein N-terminal (9CI) (CA INDEX
NAME)

OTHER NAMES:

CN c-Jun amino-terminal kinase
CN c-Jun amino-terminal protein kinase
CN c-Jun kinase
CN c-Jun N-terminal kinase
CN c-Jun N-terminal protein kinase
CN c-Jun protein N-terminal kinase
CN Gene c-jun protein kinase
CN JNK
CN JNK kinase
CN JNK protein kinase
CN Jun kinase
CN JUN N-terminal kinase
CN Jun NH2-terminal kinase
CN Jun-NH2 kinase
CN Protein kinase JNK
CN Protein kinase sapk1
CN Protein kinase SAPKly
CN SAP kinase
CN SAPKy kinase
CN SAPK/JNK kinase
CN Stress-activated protein kinase
CN Stress-activated protein kinase-y
DR 177893-53-7, 143180-76-1
MF Unspecified
CI MAN
SR CA
LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CIN,
EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

7735 REFERENCES IN FILE CA (1907 TO DATE)
151 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
7767 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN
RN 148640-14-6 REGISTRY
ED Entered STN: 14 Jul 1993

CN Kinase (phosphorylating), protein, Akt (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Akt kinase
CN Akt protein kinase
CN Akt/PKB protein kinase
CN Akt/protein kinase B
CN Akt/Rac protein kinase
CN Akt1 kinase
CN Gene c-akt protein kinase
CN Kinase (phosphorylating), gene c-akt protein
CN Protein kinase akt
CN Protein kinase Akt/PKB
CN Protein kinase Akt1
CN Protein kinase B
CN Rac kinase
CN RAC protein kinase
CN Rac-1 protein kinase
CN Serine-threonine protein kinase Akt
CN Serine/threonine kinase Akt
CN Serine/threonine kinase AKT1
CN Serine/threonine kinase B
CN Serine/threonine protein kinase B
DR 165245-98-7
MF Unspecified
CI MAN
SR CA
LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CHEMLIST,
CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10200 REFERENCES IN FILE CA (1907 TO DATE)
476 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
10278 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN
RN 143537-62-6 REGISTRY
ED Entered STN: 18 Sep 1992
CN Hexanamide, 3-oxo-N-[(3S)-tetrahydro-2-oxo-3-furanyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Hexanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)-, (S)-

OTHER NAMES:

CN L-3-Oxo-hexanoyl-homoserine lactone
CN N-(3-Oxohexanoyl)-L-homoserine lactone
CN N- β -Oxohexanoyl-L-homoserine lactone

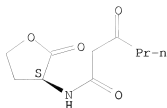
FS STEREOSEARCH

MF C10 H15 N O4

SR CA

LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, TOXCENTER,
USPAT2, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

150 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 152 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 142243-02-5 REGISTRY
 ED Entered STN: 08 Jul 1992
 CN Kinase (phosphorylating), mitogen-activated protein (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN ERK
 CN ERK kinase
 CN Erk receptor tyrosine kinase
 CN ERK/MAP kinase
 CN Extracellular signal-regulated kinase
 CN Extracellular signal-regulated protein kinase
 CN Gene ERK protein kinase
 CN MAP kinase
 CN MAP/ERK kinase
 CN MAPK
 CN Mitogen-activated protein kinase
 CN p43 MAP kinase
 CN p43 Mitogen-activated protein kinase
 CN p45 MAP kinase
 DR 133876-94-5, 141349-99-7, 141350-00-7, 141616-09-3
 MF Unspecified
 CI MAN
 SR CA
 LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

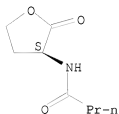
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

12086 REFERENCES IN FILE CA (1907 TO DATE)
 96 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 12162 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 67605-85-0 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Butanamide, N-[(3S)-tetrahydro-2-oxo-3-furanyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Butanamide, N-(tetrahydro-2-oxo-3-furanyl)-, (S)-
 OTHER NAMES:
 CN N-Butanoyl-L-homoserine lactone
 CN N-Butyryl-L-homoserine lactone
 CN PAI

FS STEREOSEARCH
 MF C8 H13 N O3
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, SPECINFO, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

158 REFERENCES IN FILE CA (1907 TO DATE)
 159 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 2185-03-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 2(3H)-Furanone, 3-aminodihydro-, hydrochloride, (3S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2(3H)-Furanone, 3-aminodihydro-, hydrochloride, (S)-

OTHER NAMES:

CN (S)-Homoserine lactone hydrochloride

CN L-Homoserine lactone hydrochloride

FS STEREOSEARCH

MF C4 H7 N O2 . Cl H

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

CRN (2185-02-6)

Absolute stereochemistry. Rotation (-).



● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

66 REFERENCES IN FILE CA (1907 TO DATE)
66 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L20 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN
RN 2185-02-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2(3H)-Furanone, 3-aminodihydro-, (3S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2(3H)-Furanone, 3-aminodihydro-, (S)-
CN 2(3H)-Furanone, 3-aminodihydro-, L- (8CI)
OTHER NAMES:
CN ((S)-2-Oxotetrahydrofuran-3-yl)amine
CN L- α -Aminobutyrolactone
CN L-Homoserine γ -lactone
CN L-Homoserine lactone
FS STEREOSEARCH
MF C4 H7 N O2
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,
CHEMCATS, CSCHEM, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

135 REFERENCES IN FILE CA (1907 TO DATE)
77 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
137 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	19.35	73.83
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

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FILE COVERS 1907 - 10 Jan 2007 VOL 146 ISS 3
FILE LAST UPDATED: 9 Jan 2007 (20070109/ED)

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<http://www.cas.org/infopolicy.html>

=> s l20 1,5,7
MISSING OPERATOR L20 1,5,7
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l20 1
MISSING OPERATOR L20 1
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s 67605-85-0
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L22 159 L21

=> s (143537-62-6 or 168982-69-2)/rn
152 143537-62-6
2 143537-62-6D
151 143537-62-6/RN
(143537-62-6 (NOTL) 143537-62-6D)
150 168982-69-2
1 168982-69-2D
149 168982-69-2/RN
(168982-69-2 (NOTL) 168982-69-2D)
L23 255 (143537-62-6 OR 168982-69-2)/RN

=> s l23 or l22
L24 315 L23 OR L22

=> s cancer or tumor or neoplas?
302427 CANCER
44281 CANCERS
313875 CANCER
(CANCER OR CANCERS)
394494 TUMOR
153878 TUMORS
443224 TUMOR
(TUMOR OR TUMORS)
476602 NEOPLAS?
L25 747127 CANCER OR TUMOR OR NEOPLAS?

=> s 125 and 124
L26 12 L25 AND L24

=> s 126 not py>2002
4771960 PY>2002
L27 2 L26 NOT PY>2002

=> d ibib 1-2

L27 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:7802 CAPLUS
DOCUMENT NUMBER: 128:113981
TITLE: The Pseudomonas aeruginosa quorum-sensing signal molecule N-(3-oxododecanoyl)-L-homoserine lactone has immunomodulatory activity
AUTHOR(S): Telford, Gary; Wheeler, D.; Williams, Paul; Tomkins, P. T.; Appleby, P.; Sewell, Herbert; Stewart, Gordon S. A. B.; Bycroft, Barrie W.; Pritchard, David I.
CORPORATE SOURCE: Department of Life Science, University of Nottingham, University Park, Nottingham, NG7 2RD, UK
SOURCE: Infection and Immunity (1998), 66(1), 36-42
CODEN: INFIBR; ISSN: 0019-9567
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1993:251291 CAPLUS
DOCUMENT NUMBER: 118:251291
TITLE: Agrobacterium conjugation and gene regulation by N-acyl-L-homoserine lactones
AUTHOR(S): Zhang, Lianhui; Murphy, Peter J.; Kerr, Allen; Tate, Max E.
CORPORATE SOURCE: Waite Agric. Res. Inst., Univ. Adelaide, Glen Osmond, 5064, Australia
SOURCE: Nature (London, United Kingdom) (1993), 362(6419), 446-8
CODEN: NATUAS; ISSN: 0028-0836
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d kwic 1-2

L27 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
AB . . . lactone (OHHL) were evaluated in murine and human leukocyte immunoassays in vitro. OdDHL, but not OHHL, inhibited lymphocyte proliferation and tumor necrosis factor α production by lipopolysaccharide-stimulated macrophages. Furthermore, OdDHL simultaneously and potently down-regulated the production of IL-12, a Th1-supportive cytokine. . . .
IT Interleukin 12
Tumor necrosis factors
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)
(Pseudomonas aeruginosa quorum-sensing signal mol. L-homoserine lactone has immunomodulatory activity)
IT 143537-62-6 168982-69-2
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); BIOL (Biological study)
(Pseudomonas aeruginosa quorum-sensing signal mol. L-homoserine lactone
has immunomodulatory activity)

L27 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
AB Conjugal opines secreted by crown gall tumors induce strains of
Agrobacterium tumefaciens that are donors of Ti plasmids to produce a
diffusible conjugation factor. This enhances the. . .
IT 143537-62-6 147795-40-2 147852-83-3 147852-84-4
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(conjugation of Agrobacterium tumefaciens response to)

=> d his

(FILE 'HOME' ENTERED AT 15:27:16 ON 10 JAN 2007)

FILE 'CAPLUS' ENTERED AT 15:27:41 ON 10 JAN 2007

L1 161314 S APOPT? OR (CELL DEATH)
L2 1190 S ?HOMOSERINE LACTONE
L3 15 S L2 (L) L1
L4 2 S L3 NOT PY>2003
L5 16218 S (INTERLEUKIN () 8) OR (IL () 8)
L6 686 S L5 (L) L1
L7 286 S L6 NOT PY>2002
L8 18 S L1 AND L2
L9 1 S L8 NOT PY>2002

FILE 'PCTFULL' ENTERED AT 15:32:39 ON 10 JAN 2007

L10 33437 S APOPT? OR (CELL DEATH)
L11 360 S ?HOMOSERINE LACTONE
L12 48 S L11 AND L10
L13 28 S L12 NOT PY>2002
L14 40 S OXODODECANOYL
L15 0 S L14 AND L13
L16 0 S L15 AND L11
L17 39 S L14 AND L11
L18 3 S L17 AND L10

FILE 'CAPLUS' ENTERED AT 15:36:09 ON 10 JAN 2007

L19 1 S US 20040229944/PN
SEL RN

FILE 'REGISTRY' ENTERED AT 15:36:26 ON 10 JAN 2007

L20 9 S E1-9

FILE 'CAPLUS' ENTERED AT 15:39:03 ON 10 JAN 2007

S 67605-85-0/REG#

FILE 'REGISTRY' ENTERED AT 15:40:24 ON 10 JAN 2007

L21 1 S 67605-85-0/RN

FILE 'CAPLUS' ENTERED AT 15:40:24 ON 10 JAN 2007

L22 159 S L21
L23 255 S (143537-62-6 OR 168982-69-2)/RN
L24 315 S L23 OR L22
L25 747127 S CANCER OR TUMOR OR NEOPLAS?
L26 12 S L25 AND L24
L27 2 S L26 NOT PY>2002

=> s l24 and l1

L28 11 L24 AND L1

=> s l28 not py>2003
3716318 PY>2003

L29 2 L28 NOT PY>2003

=> d ibib 1-2

L29 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:778671 CAPLUS

DOCUMENT NUMBER: 139:306377

TITLE: The Pseudomonas aeruginosa autoinducer
N-3-oxododecanoyl homoserine lactone accelerates
apoptosis in macrophages and neutrophils
AUTHOR(S): Tateda, Kazuhiro; Ishii, Yoshikazu; Horikawa, Manabu;
Matsumoto, Tetsuya; Miyairi, Shinichi; Pechere, Jean
Claude; Standiford, Theodore J.; Ishiguro, Masaji;
Yamaguchi, Keizo

CORPORATE SOURCE: Department of Microbiology, Toho University School of
Medicine, Tokyo, Japan

SOURCE: Infection and Immunity (2003), 71(10), 5785-5793

CODEN: INFIBR; ISSN: 0019-9567

PUBLISHER: American Society for Microbiology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:369403 CAPLUS

DOCUMENT NUMBER: 138:378843

TITLE: Modulation effects of azithromycin for bacterial
factors

AUTHOR(S): Tateda, Kazuhiro; Ishii, Yoshikazu; Yamaguchi, Keizo
CORPORATE SOURCE: Sch. Med., Toho Univ., Japan

SOURCE: Japanese Journal of Antibiotics (2003), Volume Date
2002, 56(Suppl. A, Makuroraido no Shinsayo Kenkyu),
20-24

CODEN: JJANAX; ISSN: 0368-2781

PUBLISHER: Japan Antibiotics Research Association

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

=> d l29 ibib abs kwic 2

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LANGUAGE: Japanese

AB Prolonged incubation of Pseudomonas in macrolide-containing media,
erythromycin, clarithromycin and azithromycin (AZM) demonstrated

bactericidal effect on *Pseudomonas* at sub-MIC level. Repression of protein synthesis of the *Pseudomonas* was suggested as the mechanism of the bactericidal effect. AZM repressed the production of elastase and rhamnolipid. AZM repressed the expression of the genes involved in quorum-sensing system. Results were discussed in relation to the action of macrolides on *Pseudomonas* in airway infection.

IT Apoptosis
 (generation of, by HSL; modulation effects of azithromycin for bacterial factors)
 IT 67605-85-0, N-(Butanoyl)-L-homoserine lactone 168982-69-2
 , N-[3-Oxododecanoyl]-L-homoserine lactone
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (modulation effects of azithromycin for bacterial factors)

=> d his

(FILE 'HOME' ENTERED AT 15:27:16 ON 10 JAN 2007)

FILE 'CAPLUS' ENTERED AT 15:27:41 ON 10 JAN 2007

L1 161314 S APOPT? OR (CELL DEATH)
 L2 1190 S ?HOMOSERINE LACTONE
 L3 15 S L2 (L) L1
 L4 2 S L3 NOT PY>2003
 L5 16218 S (INTERLEUKIN () 8) OR (IL () 8)
 L6 686 S L5 (L) L1
 L7 286 S L6 NOT PY>2002
 L8 18 S L1 AND L2
 L9 1 S L8 NOT PY>2002

FILE 'PCTFULL' ENTERED AT 15:32:39 ON 10 JAN 2007

L10 33437 S APOPT? OR (CELL DEATH)
 L11 360 S ?HOMOSERINE LACTONE
 L12 48 S L11 AND L10
 L13 28 S L12 NOT PY>2002
 L14 40 S OXODODECANOYL
 L15 0 S L14 AND L13
 L16 0 S L15 AND L11
 L17 39 S L14 AND L11
 L18 3 S L17 AND L10

FILE 'CAPLUS' ENTERED AT 15:36:09 ON 10 JAN 2007

L19 1 S US 20040229944/PN
 SEL RN

FILE 'REGISTRY' ENTERED AT 15:36:26 ON 10 JAN 2007

L20 9 S E1-9

FILE 'CAPLUS' ENTERED AT 15:39:03 ON 10 JAN 2007

S 67605-85-0/REG#

FILE 'REGISTRY' ENTERED AT 15:40:24 ON 10 JAN 2007

L21 1 S 67605-85-0/RN

FILE 'CAPLUS' ENTERED AT 15:40:24 ON 10 JAN 2007

L22 159 S L21
 L23 255 S (143537-62-6 OR 168982-69-2)/RN
 L24 315 S L23 OR L22
 L25 747127 S CANCER OR TUMOR OR NEOPLAS?
 L26 12 S L25 AND L24
 L27 2 S L26 NOT PY>2002
 L28 11 S L24 AND L1

L29 2 S L28 NOT PY>2003

=> s 124 and 15

L30 4 L24 AND L5

=> d ibib 1-4

L30 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:1113320 CAPLUS
TITLE: Pseudomonas aeruginosa autoinducer modulates host cell responses through calcium signalling
AUTHOR(S): Shiner, E. K.; Terentyev, D.; Bryan, A.; Sennoune, S.; Martinez-Zaguilan, R.; Li, G.; Gyorke, S.; Williams, S. C.; Rumbaugh, K. P.
CORPORATE SOURCE: Department of Microbiology, Texas Tech University Health Sciences Center, Lubbock, TX, 79430, USA
SOURCE: Cellular Microbiology (2006), 8(10), 1601-1610
CODEN: CEMIF5; ISSN: 1462-5814
PUBLISHER: Blackwell Publishing Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:1055994 CAPLUS
DOCUMENT NUMBER: 145:354553
TITLE: Induction of neutrophil chemotaxis by the quorum-sensing molecule N-(3-oxododecanoyl)-L-homoserine lactone
AUTHOR(S): Zimmermann, Sabine; Wagner, Christof; Mueller, Wencke; Brenner-Weiss, Gerald; Hug, Friederike; Prior, Birgit; Obst, Ursula; Haensch, Gertrud Maria
CORPORATE SOURCE: Institut fuer Immunologie der Universitaet Heidelberg, Heidelberg, Germany
SOURCE: Infection and Immunity (2006), 74(10), 5687-5692
CODEN: INFIBR; ISSN: 0019-9567
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:135509 CAPLUS
DOCUMENT NUMBER: 137:199307
TITLE: Detection of Pseudomonas aeruginosa cell-to-cell signals in lung tissue of cystic fibrosis patients
AUTHOR(S): Favre-Bonte, Sabine; Pache, Jean-Claude; Robert, John; Blanc, Dominique; Pechere, Jean-Claude; van Delden, Christian
CORPORATE SOURCE: Department of Genetics and Microbiology, University Hospital Geneva, Geneva, CH-1211, Switz.
SOURCE: Microbial Pathogenesis (2002), 32(3), 143-147
CODEN: MIPAEV; ISSN: 0882-4010
PUBLISHER: Elsevier Science
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:471002 CAPLUS
 DOCUMENT NUMBER: 135:209777
 TITLE: IL-8 production in human lung fibroblasts and epithelial cells activated by the Pseudomonas autoinducer N-3-oxododecanoyl homoserine lactone is transcriptionally regulated by NF- κ B and activator protein-2
 AUTHOR(S): Smith, Roger S.; Fedyk, Eric R.; Springer, T. A.; Mukaida, N.; Iglewski, Barbara H.; Phipps, Richard P.
 CORPORATE SOURCE: Department of Microbiology and Immunology, University of Rochester School of Medicine and Dentistry, Rochester, NY, 14642, USA
 SOURCE: Journal of Immunology (2001), 167(1), 366-374
 CODEN: JOIMA3; ISSN: 0022-1767
 PUBLISHER: American Association of Immunologists
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L30 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:1055994 CAPLUS
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 AUTHOR(S): Zimmermann, Sabine; Wagner, Christof; Mueller, Wencke; Brenner-Weiss, Gerald; Hug, Friederike; Prior, Birgit; Obst, Ursula; Haensch, Gertrud Maria
 CORPORATE SOURCE: Institut fuer Immunologie der Universitaet Heidelberg, Heidelberg, Germany
 SOURCE: Infection and Immunity (2006), 74(10), 5687-5692
 CODEN: INFIBR; ISSN: 0019-9567
 PUBLISHER: American Society for Microbiology
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Acyl homoserine lactones are synthesized by Pseudomonas aeruginosa as signaling mols. which control production of virulence factors and biofilm formation in a paracrine manner. The authors found that N-(3-oxododecanoyl)-L-homoserine lactone (3OC12-HSL), but not its 3-deoxo isomer or acyl-homoserine lactones with shorter fatty acids, induced the directed migration (chemotaxis) of human polymorphonuclear neutrophils (PMN) in vitro. By use of selective inhibitors a signaling pathway, comprising phosphotyrosine kinases, phospholipase C, protein kinase C, and mitogen-activated protein kinase C, could be delineated. In contrast to the well-studied chemokines complement C5a and interleukin 8, the chemotaxis did not depend on pertussis toxin-sensitive G proteins, indicating that 3OC12-HSL uses another signaling pathway. Strong evidence for the presence of a receptor for 3OC12-HSL on PMN was derived from uptake studies; by use of radiolabeled 3OC12-HSL, specific and saturable binding to PMN was seen. Taken together, the authors' data provide evidence that PMN recognize and migrate toward a source of 3OC12-HSL (i.e., to the site of a developing biofilm). The authors propose that this early attraction of PMN could contribute to prevention of biofilm formation.
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 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (neutrophil chemotaxis induction by quorum-sensing mol.
 N-(3-oxododecanoyl)-L-homoserine lactone)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	45.03	120.25
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.12	-5.46

STN INTERNATIONAL LOGOFF AT 15:47:17 ON 10 JAN 2007